

AMENDMENTS TO THE SPECIFICATION

In the Specification

Please substitute the following amended paragraph(s) and/or section(s) (deleted matter is shown by strikethrough and added matter is shown by underlining):

At page 4, lines 18-28, please amend as follows:

The respective patient's geometric values of axis length L, anterior chamber depth d and corneal radius R are measured using appropriate measuring instruments before surgery. A measuring instrument of that type is i.e. the IOLMaster by Carl Zeiss Meditec. Other measuring instruments known to those of skill in the art include ophthalmometer, keratographer, Anterior Segment OCT (ocular coherence tomography) instruments, Pentacam, Orbscan and others.

At page 5, lines 9-12, please amend as follows:

~~(see source document)~~

~~mit~~—with

~~und~~—and

At page 5, line 13, please insert the following formula:

$$D = \frac{n}{L-d} - \frac{n}{n/z-d}$$

$$\text{With } z = DC + \frac{ref}{1-refdBC} \text{ and } DC = \frac{nC-1}{RC}$$

At page 5, line 27, please amend as follows:

~~(see source document)~~

At page 5, line 28, please insert the following formula:

$$d=a_0+a_1 VK_{pr}+a_2 AL_{pr}$$

$$\text{With } a_0=ACD-K_{\text{const}}-a_1 MW(VK_{pr})-a_2 MW(AL_{pr})$$

At page 7, lines 27-31, please amend as follows:

In FIG. 1, the cross-section of the eye shows the cornea 1, anterior chamber 2, ocular lens 3, vitreous 4 and retina 5 with the cornea having an anterior radius $R1C$ and a posterior radius of $R2C$. The distance between the corneal anterior surface 6 and the retina 5 is referred to as axial length AL . During cataract surgery, the ocular lens 3 is removed and replaced by an artificial intraocular lens.